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Solution of the navigation problem by passive radiometeor method

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Abstract

The signal of a pulse source of electromagnetic wave radiation in the frequency band 30-100 MHz due to reflection from a meteor trace is received by a system of receiving stations of the measuring basis with geometrical scales commensurable with scales of the region of illumination by the scattered meteor signal ≈ 10-20 km. Receiving stations of the measuring basis have united time scale with the high synchronization accuracy degree ≈ 1 ns what is easily provided by the active meteor synchronization methods of diversed time scales which use high-energy direct wave.